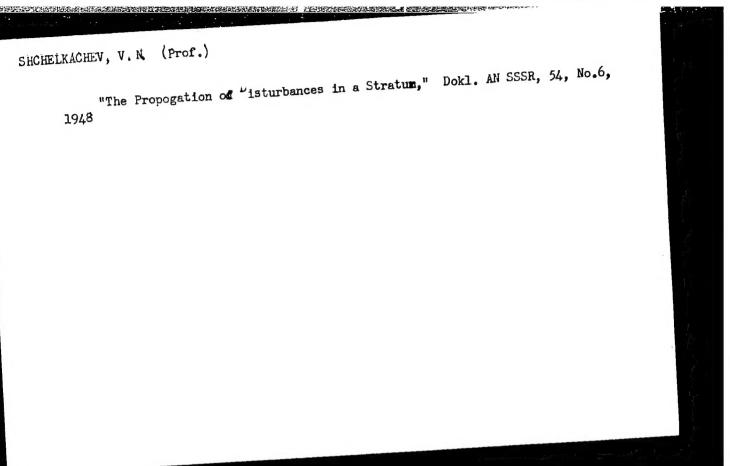
CHELAACHEV, N	V. N. PROF		`A 05776	
	USSR/Petroleum Industry Bibliography	Apr 1948		
	"Review of N. V. Tikhonravov's Prof V. N. Shchelkachev, 2t pp	Book, 'Petroleum',"		of the second
	. "Neft Khoz" No 4			
	Intended as reference book for the field of the history and to petroleum industry. Very well	echniques of the		
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,我们就是这个人,我们就是我们的,我们就是我们的,我们就是这个人,我们会会的,我们也没有的,我们就会会的,我们就是我们的,我们就会会是我们的,我们就会会的一个人 FA 65T52 SHCHELKACHYEV, V. N. May 1948 USSR/Geology Tectonics "The Propagation of Disturbances in a Stratum," V. H. Shchelkachyev, 2 pp "Neft Khoz" Vol XXVI, No 5 Author refers to article by E. B. Chekalyuk. Disagrees on several points made by Chekalyuk and presents entirely different method to study the distribution of stratal pressure that allows tracing beyond the effective radius of an interstice. 65152 LC

SHCHELKACHEV, V. N. (Prof.)

"Generalization of Ideas in the Radii of Influence of Wells," Dokl. AN SSSR.
54, No.2, 1948

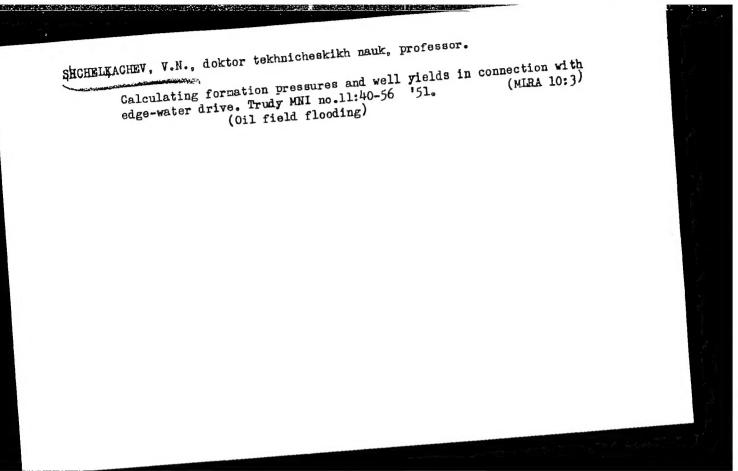


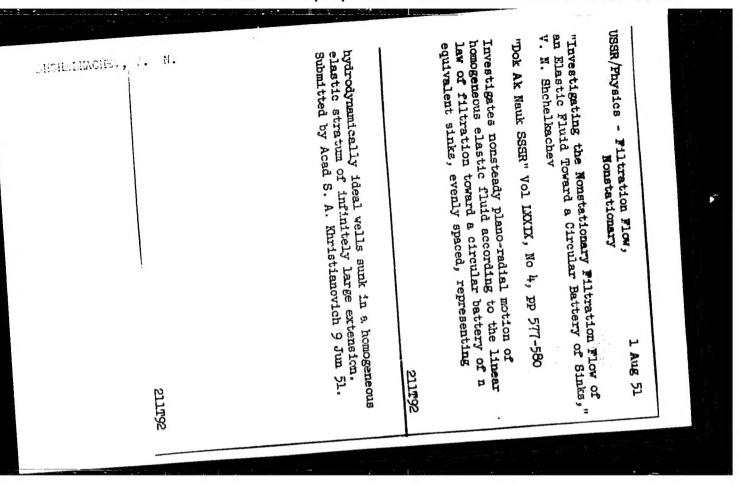
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SECURIFACEAU, V. C.; LAFUE, B.		
Fodminuaja "idravlika	[Townserface Hydraulico]]. Moscow-Leulagrad, 1949.	an L
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CHCHCLEM NOW, V. N.

224f9. SHCHCLEACHSV, V. N. Proyavleniya Uprugogo Rezhima Iri Eksploatatsii
Skvazhin Trudy Mosk. Neft. In-ta Im. Akad Guckira, Vyp. 9, 1949, S. 3-36.

SO: Letopis' No. 30, 1949





SHCHELKACHEV, V. N.

USSR/Physics - Elastic Fluid

11 Aug 51

"Application of Operational Methods to the Solution of the Problem Concerning the Motion of an Elastic Fluid in an Elastic Stratum," V.N. Shchelkachev

"Dok Ak Nauk SSSR" Vol LXXIX, No 5, pp 751-754

Investigates nonstationary plano-radial motion of a homogeneous elastic fluid according to the linear law of filtration to a hydrodynamically ideal well in an elastic stratum of infinitely large extension the regime of the stratum being elastic-"water forced." Assumes that the well is being exploited with const discharge. Submitted by Acad S. A. Khristianovich 9 Jun 51. 210184

SERDIY, A.G., redaktor; STEPANYANTS, A.K., professor, redaktor; TIKHO'(IROV, A.A., kandidat ekonomicheskikh nauk, redaktor; VINOGRADOV,
V.N., redaktor; CHERNOZHUKOV, N.I., professor, redaktor; SHCHEL KACHEV, V.N., professor, redaktor; CHARYGIN, M.M., professor,
redaktor; DUNAYEV, F.F., professor, redaktor; KUZMAK, Ye.M.,
professor, redaktor; MURAV'YEV, I.M. professor, redaktor;
GUREVICH, V.M., redaktor; MURATOVA, V.M., redaktor, POLOSINA,
A.S., tekhnicheskiy redaktor.

[Sixth scientific and technical conference, 1951] Shestaia nauchno-tekhnicheskaia konferentsiia, 1951. Moskva, Gos.nauchno tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1952, 214 p. (MLRA 8:10)

1. Moscow. Moskovskiy neftiancy institut. Nauchnoye studencheskoye obshchestvo.

(Petroleum geology)

SHAMILE E E ELLEY ES FOR

SERDIY, A.G., redaktor; TIKHOMIROV, A.A., kandidat ekonomicheskikh nauk, redaktor; STEPANYANTS, A.K., professor, redaktor; VIHOGRADOV, V.N. redaktor; CHERNOZHUKOV, N.I., professor, redaktor; SHCHELKACHEV V.N., professor, redaktor; CHARTGIN, M.M. professor, redaktor; KUZYAK, Ye.M., professor, redaktor; MURAVYEV, I.M. professor, redaktor; GUREVICH, V.M., redaktor; MURATOVA, V.M., redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor.

[Seventh scientific and technical conference, 1952] Sed'maia nauchno-tekhnicheskaia konferentsiia, 1952. Moskva, Gos.nauchno tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 171 p. (MLRA 8:10)

1. Moscow. Moskovskiy neftianoy institut. Nauchnoye studencheskoye obshchestvo.

(Petroleum Geology)

SHCHELKACHEV, V.N., professor, doktor tekhnicheskikh nauk.

Natural characteristics of the movement of liquid particles from injection wells to producing wells. Trudy MBI no.12:117-126 '53. (MLRA 9:8)

(Petroleum engineering) (Fluid dynamics) (Oilfield flooding)

ZOLOYEV, M.T.; MIKHAYLOVSKIY, N.K.; SHCHELKACHEV, V.N., professor, doktor tekhnicheskikh nauk.

Some characteristics of the oil-water boundary shift in the case of peripheral flooding in sloping sands. Trudy MNI no.12:126-138 (MLRA 9:8)

1. Glavnyy geolog tresta Tuymazaneft' (for Zoloyev); 2. Nachal'nik geologicheskogo otdela tresta Tuymazaneft' (for Mikhaylovskiy).

(Oilfield flooding)

SHCHELKACHEV.V.N., professor, doktor tekhnicheskikh nauk

Calculating the sums of even powers of intervals to vertices of a rectilinear polygon. Trudy MHI no.13:130-132 '53.

(Polygons)

(MIRA 3:6)

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Subject USSR/Mining

AID P - 334

Card

1/1

Authors

Shchelkachev, V. N. and Nazarov, S. N.

Title

Consideration of influence of hydrodynamic non-perfection of holes under flexible conditions

Periodical

Neft. Khoz., v. 32, #5, 35-41, My 1954

Abstract

The authors present a review of work of different investigators, given in 10 references. The review concerns the computation of variation in pressure drop in wells under different hydrodynamic conditions during the first month of exploitation. The authors present nine formulae, two tables and ten Russian references (1948-53).

Institution: None

Submitted No date

ZHIGACH, K.F., professor, redektor; STEPANYANTS, A.K., professor, redaktor; TIKHOMIROV, A.A., kandidat ekonomicheskikh nauk, redaktor; KARAPETYAN, R.O, kandidat filosoficheskikh nauk, redaktor; CHERNOZHUKOV, N.I., professor; YERSHOV, P.R., redaktor; GUREVICH, V.M., redaktor; MURAV'YEV, I.M., professor, redaktor; SHCHELKACHEV, V.N., professor, redaktor; CHARYGIN, M.M., professor, redaktor; DUNAYEV, F.F., professor, redaktor; KUZMAK, Ye.M., professor, redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Ninth scientific and technological conference of 1954]Deviataia nauchno-tekhnicheskaia konferentsiia 1954. g. Moskva, Gos. nauchno-tekhn.izd-vo neftianoi i gorno-toplivnoi lit-ry. 1955. 205 p. [Microfilm] (MLRA 8:9)

1. Moscow. Moskevskiy neftiancy institut. Nauchnoye studencheskeye obshchestva.

(Geology) (Petroleum)

Akadenik; TIKHOTOV, A.N.; IL'YUSHIN, A.A.; SOKOLOVSKIY, V.V.; GALIN, L.A.; SHCHELKACTEV, V.N., doktor tekhnicheskikh nauk; TREBIH, F.A., doktor tekhnicheskikh nauk; GRIGOR'YEV, A.S., kandidat tekhnicheskikh nauk; SEDOV, L.I., akademik, redaktor; ZVOLINSKIY, N.V., professor, redaktor; ALESKEYEVA, T.V., tekhnicheskiy redaktor.

[Collected works] Sobranie trudov. Moskva, Izd-vo Akademii nauk SSSR. Vol.4[Hydroaerodynamics. Geophysics] Gidroaerodinamika, Geofizika, 1955. 398 p. (MLRA 8:11)

1. Chlen-korrespondent AN SSSR (for Tikhonov, Il'yushin, Sokolovskiy, Galin)

(Geophysics) (Fluid dynamics)

LEYBENZON, Leonid Samuilovich, akademik; NEKRASOV, A.I., akademik;
TIKHONOV, A.N.; IL'YUSHIN, A.A.; SOKOLOVSKIY, V.V.; SHCHKLKACHEV,
V.N., doktor tekhnicheskikh nauk: TREBIN, F.A., doktor tekhnicheskikh nauk, redaktor; GALIN, L.A.; GRIGOR'YEV, A.S., doktor tekhnicheskikh nauk; CHARNYY, I.A., doktor tekhnicheskikh nauk, redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

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[Collected works] Sobranie trudov. Moskva, Izd-vo Akademii nauk SSSR. Vol.3.[Petroleum engineering] Neftepromyslovaia mekhanika 1955. 678 p. (MLRA 8:10)

1. Chlen-korrespondent AN SSSR (for Tikhonov, Il yushin, Sckolovskiy and Galin)
(Petroleum engineering)

15-57-7-10346

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 250 (USSR)

AUTHORS:

Snarskiy, A. N., Loginov, E. G., Yeronin, V. A.,

Shchelkachev. V. N.

TITLE:

Results of Heat Application (Vystupleniya v preniyakh)

PERIODICAL:

V sb: Metody uvelicheniya nefteotdachi plastov.

Moscow, Gostoptekhizdat, 1955, pp 107-113

ABSTRACT:

Bibliographic entry

Card 1/1

CIA-RDP86-00513R001548810016-7" APPROVED FOR RELEASE: 03/14/2001

124-57-1-764

Translation from. Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 100 (USSR)

AUTHOR: Shchelkachev, V.N.

TITLE: Formulation of the Problem and Investigation of Some Laws

Governing the Flooding of a Well in the Simplest Conditions (Postanovka zadachi i issledovaniye nekotorykh zakonomernostiy

obvodneniya skvazhiny v prosteyshikh usloviyakh)

PERIODICAL: Tr. Mosk. neft. in-ta, 1955, Nr 14, pp 184-196

ABSTRACT: A substantiation of the possibility that the flow in a petroliferous

layer which is subdivided by a number of nearly impervious interlayers may be examined as a two-dimensional flow. In such a layer the problem is formulated relative to the determination of the flooding of a well as a function of time and of the initial petrolifer-

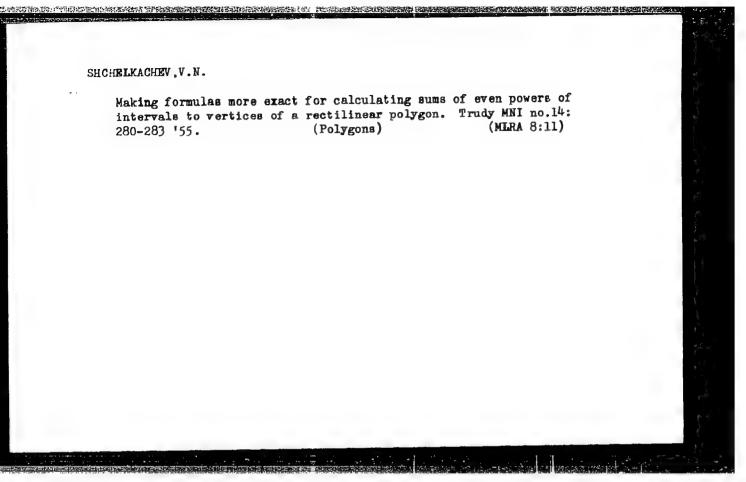
ous contour. A specific problem is examined for a hydrodynamically perfect well in which the initial petroliferous contour is starshaped with respect to the well. The difference of viscosity of the oil and the water is disregarded, and the liquids and reservoir rocks are assumed to be incompressible and uniform. The reverse

problem is also formulated, namely, the determination of the initial petroliferous contour that corresponds to a given law governing the

Card 1/1 flooding. Computational examples are adduced. V.L. Danilov

1. Petroleum--Recovery--Mathematical analysis 2. Oil wells--Flooding

--Theory



SHCHELKACHEV, V.N

USSR/ Mathematics - Hydromechanics

Card 1/1

Pub. 22 - 8/51

Authors

Shchelkachev, V. N.

Title

Simplification of solutions of a Fourier differential equation for problems connected with the inclusion of round sets of sources and flows

Periodical

Dok. AN SSSR 101/2, 225-228, Mar 11, 1955

Abstract

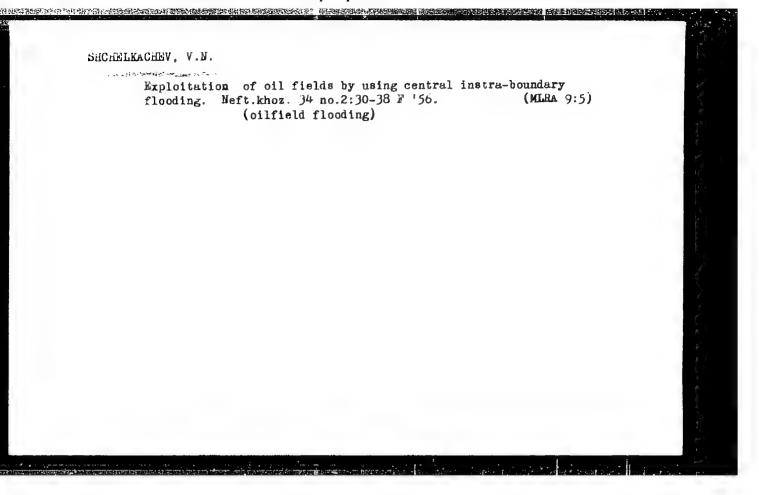
A simplified and reliable solution was found for a Fourier differential equation involving the inclusion of round sets of sources and flows. The solution is also recommendable for problems concerning the theory of heat conductivity, theory of diffusion and other similar problems. Four USSR references (1951-1953), Diagram.

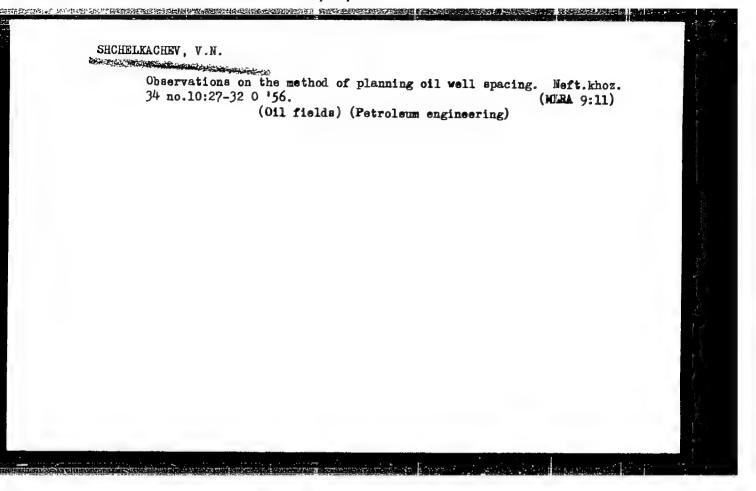
Institution:

The I. M. Gubkin Petroleum Institute, Moscow

Presented by:

Academician L. I. Sedov, November 13, 1954





11(4) PHASE I BOOK EXPLOITATION SOV/1443

Moscow. Neftyanoy institut.

Voprosy dobychi nefti i mashinostroyeniya (Problems of Petroleum Production and Petroleum Engineering) Moscow, Gostoptekhizdat, 1957. 393 p. (Its: Trudy, vyp. 20) 1,000 copies printed.

Executive Eds.: Martynova, M.P., and K.P. Svyatitskaya;
Tech. Ed.: Polosina, A.S.; Editorial Board: Zhigach, K.F.
(Resp. Ed.) Professor, I.M. Murav'yev, Professor, A.A. Tikhomirov,
Candidate of Economic Sciences, Yegorov, Candidate of Economic
Sciences, M.M. Charygin, Professor, F.F. Dunayev, Professor,
I.A. Charnyy, Professor N.I. Chernozhukov, Professor, Ye. M.
Kuzmak, Professor, V.N. Dakhnov, Professor, G.M. Panchenkov,
Professor, N.S. Nametkin, Doctor of Chemical Sciences, N.A. Almazov,
Docent, V.I. Biryukov, Docent, V.N. Vinogradov, Docent,
E.I. Tagiyev, V.M. Gurevich.

PURPOSE: This book is intended for specialists working in the petroleum and gas industry and for advanced students at petroleum vuzes.

Card 1/6

Problems of Petroleum Production (Cont.) SOV/1443

COVERAGE: The book is a collection of articles written by professors and faculty members of the Petroleum Institute im. Academician I.M. Gubkin. It deals with problems connected with the development of oil-bearing mother rocks, radiometry as applied to oil wells, production of carboxymethyl ethers of cellulose and their use in drilling to open productive formations. Methods for softening the sea water used in preparing drilling mud, the selection of the type of steel for rock bit cutters, the theory of circular milling with plain milling cutters, and the flow of viscous liquids in rotating pipes and open channels are also discussed in individual articles. There are 50 references, of which 24 are Soviet.

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SOV/124-58-11-12904

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 149 (USSR)

AUTHOR: Shchelkachev, V. N.

TITLE: Peculiarities of the Progressive Water Flooding of a Well in

Uniformly and Nonuniformly Stratified Sloping Reservoirs (Osobennosti progressiruyushchego obvodneniya skvazhiny v odnorodno- i neodnorodnosloistom naklonnykh plastakh)

PERIODICAL: Tr. Mosk. neft. in-ta, 1957, Nr 20, pp 13-22

ABSTRACT: The author examines a sloping stratified reservoir stratum of constant thickness, in which oil drains into a hydrodynamically

perfect well under the pressure exerted by the edge waters. It is assumed that the liquid moves toward the well solely in the direction of the stratification surfaces, that the motion obeys the linear seepage law, and that the differences between the viscosities and densities of the oil and water may be disregarded. Having made these assumptions the author investigates the process of the water flooding of the well first for the uniformly stratified reservoir and then for the nonuniformly stratified one. The formulae and graphs

Card 1/2 then for the nonuniformly stratified one. The formulas and graphs obtained characterize the process of water flooding in either case;

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SOV/124-58-11-12904

Peculiarities of the Progressive Water Flooding of a Well

numerical examples are adduced. Bibliography: 5 references.

V. A. Karpychev

Card 2/2

SHCHELKACHEV. Vladimir Nikolayevich,; SAVINA, Z.A., ved. red.; MUKHINA, E.A., tekhn. red.

Exploitation of oil fields in the United States; status and trends] Razrabotka neftianykh mestorozhdenii v SShA; analiz sostoianiia i tendentsii razvitiia. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 37 p.

(MIRA 11:11)

(United States--Oil fields)

SHCHELKACHEV, V.N.

Analysis of average indicators of United States oil field exploitation and trends revealed by changes in them. Geol. nefti 2 no.5: 64-71 My '58. (MIRA 11:5)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni neftyanoy institut im. akademika I.M. Gubkina. (United States--Petroleum engineering)

AUTHGR: Shehelkachay, V.N. JOV-5-58-3-26/39

TITLY: The Present State of the Theory of Floxibility of water and Oil Bearing Strata (Sovremennoye sostoyaniye teorii upru-

gogo rezhima vodonosnykh i neftenosnykh plastov)

FIRIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody,

Otdel geologicheskiy, 1959, Nr 3, pp 153 - 154 (USUR)

ABSTRACT: This is a resume of a lecture given on Mar 20, 1958. The

basic features of a flexible condition are: continuity at a redistribution of pressure, extraction of the flexible reserve liquids of the strata at lowered pressure. The author distinguishes two types of flexible conditions: flexible water pressure and locked flexible conditions. During the

past 10 years, extensive research on the flexibility of blanket deposits of water and oil has been conducted in the

USSR. Soviet scientists arrived at an empiric formula, which

Card 1/2

SUV-5-58-3-26/39 The Present State of the Theory of Floxibility of Mater and Gil Bearing Strata

enables one to calculate the coefficient of volumetric flexibility of the water, when the gravimetric concentration of salt in the water and its relative specific weight under blanket deposit conditions is known.

1. Geology--USSR 2. Water--Pressure--Analysis 3. Water--Gravi--metric analysis 4 Petroleum--USSR

Card 2/2

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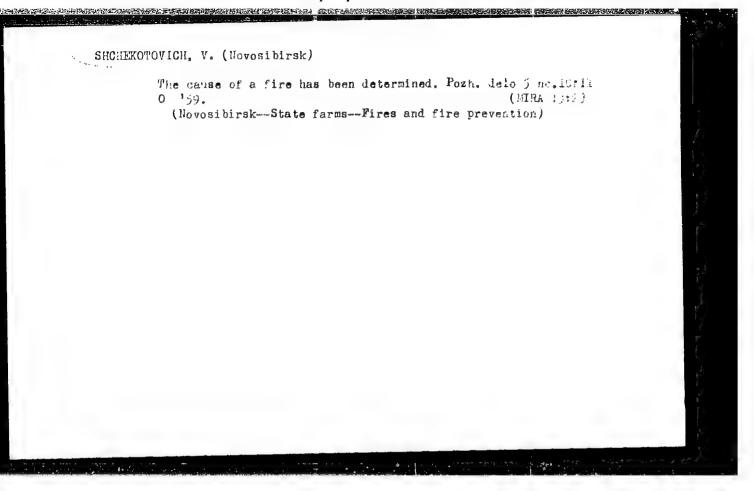
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PMASE I BOOK EXPLOITATION	Institut neftekhimicheskoy i gasovoy promysniennosti.	Problemy mefti i gaza (Oil and Gas Problems) koscov, Scatopisknisdar, 1959. 945. (Series: Agai Trudy, 179 24) Erras slip inseries. 2,000 copies	Sponsoring Agency: Ministerateo vysshago obrazovaniya SSSR.	Ener. Ed.: G. F. Morgunova; Tech. Ed.: I. G. Feditions; Editorial Board: Ithoustory. Candidate of Economic Sessors y. W. Pures'rev. Professor. A. A. I. Technical Sessors, M. M. Diraggia, Professor. A. A. E. M.	This multiples.	aumentation of Esticians is inhumbed for specialists in the obligations and gas industry. It will also be of interest to solantific this collection, or and students of vurses, teaching the collection of any section of vurses.	and synthesizing gas production. A number of artitles are desired. With natural study of regional oil, and gas-bearing a rest, for crystalline and oil, and the transport of a recognition bear and orthing a rest, for crystalline and inderlying the state of the crystalline beds underlying the crystalline beds and crystalline beds underlying the crystalline beds and crystalline beds underlying the crystalline beds and crystalline beds an	Compecting, oil well locating forwal promise of the wasten depress un-bearing formactions and their payed, outsaided the relation to supplementations and their payed, outsaided their settleties.	omsible use in the oil and gestingers; the production of curbon studies compounds; the application of curbon askalves compounds; the application of the actions were	Analysis Contributed of king of heavy perrisem residues (find ears on properties of lube oil and duction and the first of photometric of photometric of the bits o	Maring to coal gestioning and characters and disgrams, sange which is a finidare of gestioning and or nevert, to these potentials returned in the set of t	Provendity, V. P. (Receased), T. A. Lapinskys, and V. S. Kryssy. S. Worldow. Vols	star fettolifercum Province	Regions Name of the contract o	Selenio Prospecting	Laringov, J. 9. Study of Forwaity and Saturation of Oll Reservoir Hocks by Applying Radiometric Methods in Oll Well Logging	Suchallacter, V. N., N., Bararyskeye, G. L. Govenne, and M. A. Gaseyn. Safe. Inffering Manday the Opportunity of Theoretical Mechanics in the Field of Submerges, Execution of Theoretical Mechanics	Manage Strain of the Continue of the Lavel Cymont of	Formation Fade on the Jack of Observability for Permitters of the	and and the starting General goals bits	Tressing the	bran a dith meal bring lines dith a name	12	. (Deceased), and A. A. From Aumise. 'utiful Tempera-	Thermodynamic Processes of Gas Jurbine Onite.	Comparable Characteristics of Cas Turbing the	1711 BUTA MI Free Co.		The state of the s	
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SHCHELKACHEV, Vladimir Nikolayevich; GUBANOV, A.I., kend.tekhn.nauk.retsenzent; PETROVA, Te.A., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Production of oil and water layers operating under elastic compression] Razrabotka neftevodonosnykh plastov pri uprugom rezhime. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 467 p. (MIRA 12:10)

(Oil reservoir engineering)



,然后只要你是这个人,我们就是我们就是我们的,我们就是我们的,你可以会会的,你可以会会的,你可以会会的,你可以会会的,你可以会会的,你可以会会的,你可以会会的,你可以不是我们的,你可以不是我们的,你可以不是我们的,你可以不是我们的,你可以不是我们不是我们的,你可以不是我们不是我们的,你可以不是我们的,你可以不是我们 69933 5/024/59/000/06/010/028 26,5000 正081/正241 Denisov, Yu. N., Troshin, Ya. K., and Shchelkin, K.I. AUTHORE (Moscow, Novosibirsk) The Analogy Between Combustion with Explosive Waves and (Combustion) in a Rocket Engine 23 TITLE Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk Energetika i avtomatika, 1959, PERIODICAL . Nr 6, pp 79-89 (USSR) The paper is a continuation of previous work (Refs 1, 2, 6, 7, 12, 13, 14, 17). The combustion chamber of a rocket engine is regarded as a cylindrical tube! (Fig la). ABSTRACT: The fuel and oxidant is fed through the head 2 and forms the mixture in zone 1. After chemical conversion of the initial fuel in the combustion zone 2, gaseous products are formed in zone 3. [Fig 1. - a: scheme of combustion chamber: b: pressure diagram in schematic plane of explosive waves; c. schematic representation of a disturbance in the ignition zone. The original state of the material is characterised by the initial parameters: pressure p₁, density p₁, temperature T₁, and flow velocity u₁, and by final parameters: pressure p3. density 13, temperature T3 and flow Card 1/5

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The Analogy Between Combustion with Explosive Waves and Combustion in a Rocket Engine

velocity uz. Q is the energy evolved in passing from the initial to the final state. These quantities are connected by the Hugoniot equation (top of p 80), in which $\kappa = (\gamma + 1/\gamma - 1)$ where γ is the ratio of specific heats c_D/c_V . The Hugoniot is shown in Fig 2. [Hugoniot adiabatics. For descriptiveness both branches of the adiabatics EM and KM are represented by the same energy evolution Q which is independent of the initial pressure of the reacting mixture in coordinates p, V, where $V = 1/\rho = \text{specific volume}$. Analysis of the physical significance of the branches of the Hugoniot curve shows that the deflagrational portion $K\Lambda$ (Fig 2) can be regarded as the geometrical locus of points each of which corresponds to a given amount of boost of the combustion process in a rocket engine. It is shown that this process may be unstable, the instability being determined by Eq (5) in which AT is the temperature change of the gas in the disturbed region and T is the induction period of ignition. The variation of r with temperature is given by Eq (6), where E is the

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The Analogy Between Combustion with Explosive Waves and Combustion in a Rocket Engine

activation energy and R is the gas constant. If the constant k is independent of temperature and pressure, the criterion for instability of the plane ignition zone in explosive waves in Eq (7) or in terms of pressure, Eq (8), Calculation shows that instability exists for many gaseous explosive mixtures, and leads to high frequency vibrations (Fig 3 - spin explosion). Figs 4 and 5 show the so-called normal explosion (Fig 4 taken with a low resolving power equipment; Fig 5 taken with higher resolving power equipment; mixture $2H_2 + O_2$, $P_0 = 760$ mm Hg, magnification along the z axis: G = 3, time axis 1 mm = 1 μ sec; in Figs 3, 4, and 5 the z axis is horizontal and the time axis vertical). Fig 5 shows periodic inhomogeneities in the explosive wave front. These were further investigated by means of a deposit of soot on the inside of a glass tube in which the explosion took place and left the traces shown in Fig 6 (Step trace of a pulsating explosion. Mixture $2H_2 + O_2$, $P_0 = 300$ mm Hg. d = 16 mm, G = 5; propagation direction of explosive waves from bottom to

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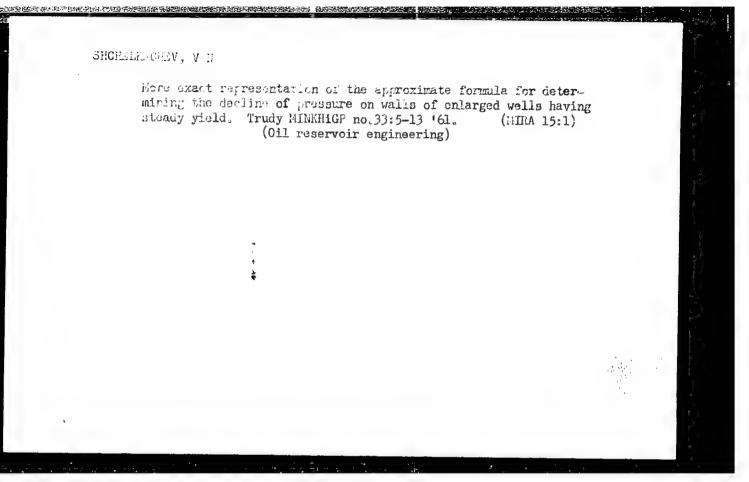
The Analogy Between Combustion with Explosive Waves and Combustion in a Rocket Engine

top; the arrows show the tracks of periodic explosions; d is the diameter of the tube.) Analysis of experimental results shows that there are two types of explosive wave, spin (Fig 3. 7a, 8) and pulsating (Fig 78, 6) (Fig 7: step traces in explosive mixtures 2H₂ + O₂, a,6: Spin P₀ = 50 mm Hg, d = 16 mm, G for a = 1.3, for 6 = 2.25; 3 pulsating with n = 2, po = 130 mm Hg, d = 11 mmG = 2.5) These two types of wave are illustrated in Fig 8, together with graphs showing numerical results. (Fig 8. Dependence of the explosive wave parameters on initial pressure in the reacting mixture (mixture $2H_2 + O_2$; d = 16 mm), a - explosive velocity D the mean temperature in the wave TA; 5 - form of the leading front of the explosive waves at times t₁ and I - spin; II - pulsating with the number n of pulsations round the contour of the tube = 1; III pulsating with n = 2, R =frequency and number of pulsations n. Experimental points obtained by the photographic method plotted as squares; remaining points obtained by the trace method.) The criterion for

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SHCHELKACHEV, V.N.; BARAHOVSKAYA, N.N.; GOVOROVA, G.L.; GUSEYN-ZADE, M.A.

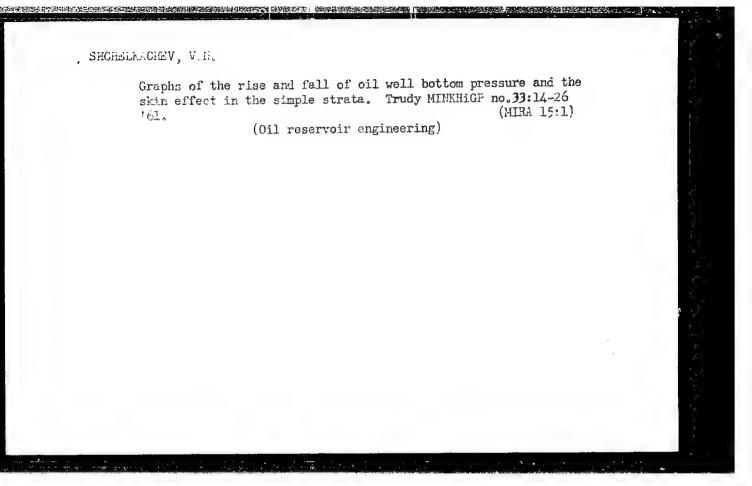
Studies of the department of theoretical mechanics on underground hydrodymanics and the theory of oil field production. Trudy MINKHiGP no.24:122-139 '59. (MIRA 13:3) (Oil fields--Production methods)



SHOHELKACHEN, V.L.

Estimating the error of a simple approximative formula for calculating the amount of fluid recovered from a layer. Izv. vys. ucheb. 4av.; neit' i gaz 4 nc.12:73-75 '61. (MIRA K:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gubkina.



SHCHELKACKEV, V.H.

More exact representation of the mathematical formulation and approximate solution of one of the basic problems in the theory of elastic drives, Trudy MINKHiGP no.33:27-4,1 '61. (MIRA 15:1) (011 reservoir engineering)

SHCHELKACHEV, V.N.

More exact representation of the result of basic dynamic equations of the flow theory. Izv. v/s. ucheb. zav.; neft' i gaz 4 no.2: 87.93 '61. (MIRA 15:5)

l. Moskavskiy institut neftekhimicheskoy i gazovoy promyshelnnosti imeni akademika I.M.Gubkina.

(Hydrodynamics)

Brief outline of the 45 years of the publication of Thompse Ehoziaisty." Neft. Know. 40 no.12:0-13 D Tex. (CHild les?)

(Petroleum production—Periodicals)

Saturation, v.s., viscosis see.

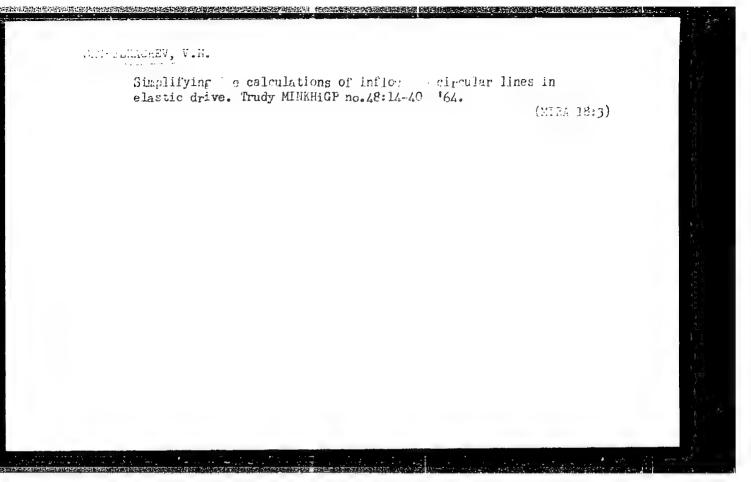
Further simplification fraction of these for absoluting pressure decrease at the line of a congestation sectors with a constant production takes as about the coint, every set under zero; nothing and one of the first set. (Not. 19.2)

1. Marketyk of instance of first energy of analysis of the local standard of the line of the local sectors.

SECHELKACHEV, V.N.; VLYUSHIN, V.Yo.

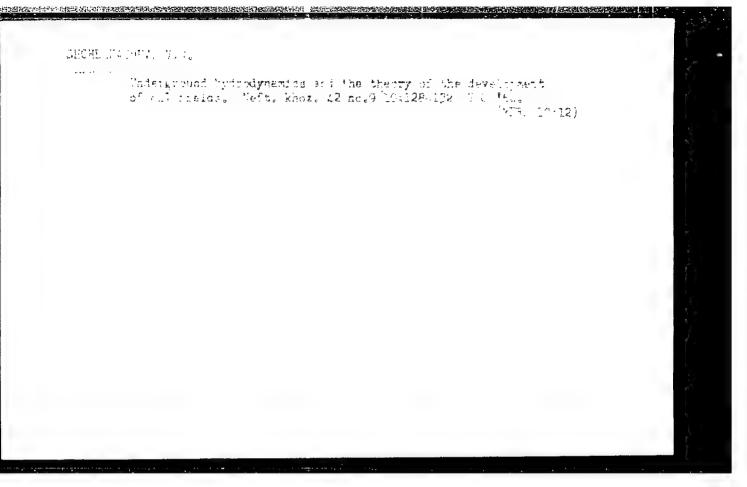
Simplifying calculations of reservoir pressure in the operation of a circular line in an elastic drive. Izv.vys.ucheb.zav.; neft' i gaz 6 no. 12:81-85 163. (MIRA 17:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im.akademika I.M.Gubkina.



GOVOROVA, G.L.; SALTYKOVA, Z.A.; SHCHELKACHEV, V.N.

Analyzing the rotes of withdrawal and dopletion of reserves in various stages of the development of oil fields in the United States. Trudy MINKHiGP no.48:260-273 '64. (MIRA 18:3)



SLOHELKACIEV, V. N. (Moscow)

"The present state of teaching of theoretical mechanics in the USSR Higher Technical Schools".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics. Moscow, 29 January - 5 February 1964.

VLADIMIROV, L.A.; SAMARSKY, A.A.; SHCHELKACHEV, V.N. (Moscow)

"The solution of special boudary value problems of the unsteady motion of an elastic fluid in a elastic layer with the aid of electronic computers"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

KIL'CHEVSKIY, N.A.; SHCHELKACHEV, V.N.

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SHCHELKACHEV, V.N.: SAMARSKIY, A.A.; VLADIMIROV, L.A.

Solving special boundary problems of nonsteady fluid flow in an elastic bed using electronic computers. Izv. vys. ucheb. zav.; neft' i gaz 8 no.3:77-80 '65. (MIPA 18:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina i Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

SHCHELKACHEV, V.N.; VLYUSHIN, V.Ye.; KHARIN, O.N.

Deriving standard working formulas for the determination of the pressure in a bounded bed in an elastic regime, Izv. vys. ucheb. zev.; neft' i gaz 7 no.11:55-60 '64.

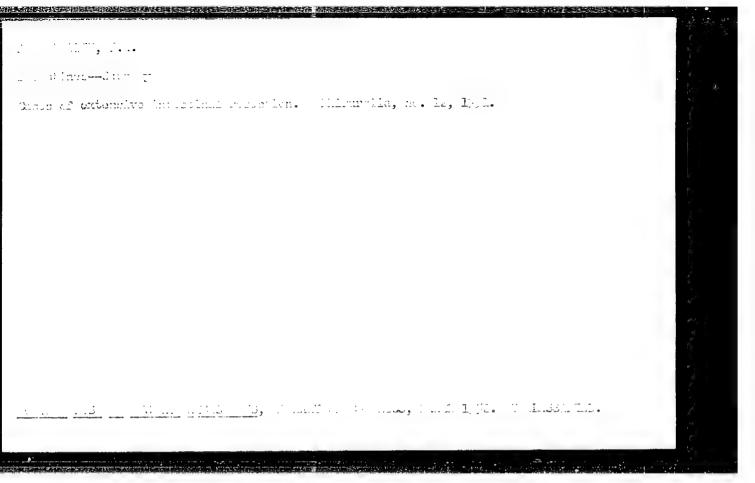
(MIRA 18:11)

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SHCHELKACHEVA, V.N., prof., red.; TKACHENKO, O.V., ved. red.

[Characteristics of the development of certain oil fields in North America]Osobennosti razrabotki nekotorykh neftianykh mestorozhdenii Severnoi Ameriki. Pod red. V.N.Shchelkacheva. Moskva, 1961. 157 p. (MIRA 15:9)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut
nauchnoy i tekhnicheskoy informatsii.
 (United States--Oil reservoir engineering)



SHCHELKAMOV, A.F., Inzh.

Effect of the hardness and microstructure on the resistance of steel to abrasive wear and cavitation. Energomashinostroenie II no.1:32-36 Ja 165. (MIRA 18:4)

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	In Exploiting inclined Deposits AVAILABLE: Library of Congress
	Shehelkenov, V. A. Utilizing the Porce of Exploaton and the Ore's Don Maight for Transporting Grushed Ore in Exploiting Inspecting Shehelkenov, V. A. Evaluating Marhada of Palicenter 189
4	Yeghnov, P. V., A. N. Ironnikov, V. P. Kompanovata, Yu. A. Kabakov, and P. M. Chepchingov, Use of Underground Excavators at Steeply Dipping Ore Deposits
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	of Labor Input In
	Subrilov, L. Ye., and A. I. Shuryzin. Selective and Total Extraction of Copper and Suppur Orce of the Degtyarskoye Deposits
2.	11:11, A. M., and B. A. Eyazok, Comparison of the System of Porced Lovel Gaving With the Combined System Under the Conditions of the Tysokogorskiy Mine
 65	Urvants-y, V. P. New Methods of Overhand Stoping (Porsign Practice)
ار ر عو	Alekseyevskiy, I. G. Shaft Drainage Sump With Vortical Well-Type Water Pits
23	Alekasyevakly, I. G. On Reducing the Volume of Drainage Sumps in Metal Mines
£ 11/10	GOVERAGE: This is a collecti, not 22 articles by different authors on problems of underground **pholitation of large massive ore deposite in the Urals. The articles are based on studies carried out in the Laboratory for the Exploitation of Ore Deposits in the Composition of the Gorno-geologicheskly institute URAM SSSR (Institute of Mining Gorno-geologicheskly institute SSSR (Institute of Mining Goology, Ural Ementh AS USSR), between 1958-1959. No personalities are mentioned. Most of the articles are accompanied by references.
	PURPOSE: This publication is intended for engineering and technical personnel in the mining industry.
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	Podzemnaya razrabotka rudnykh memtorozhdeniy (Underground Exploita- tion of Ore Deposita) Sverdlovuk [1950] 165 p. (Series: Ita: Trudy, vyp. 54) 1,000 copies printed.
•••	Akademiya nauk SSSR. Ural'akiy filial. Gorno-geologicheakiy in- atitut.
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SHCHELKANOV, V.A., inzh.

Experimental determination of the resistance factor in the movement of certain rocks and ores. Izv.vys.ucheb.zav.; gor.zhur. no.4:31-41 60. (MIRA 14:4)

l. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy rudnykh i rossypnykh mestorozhdeniy.

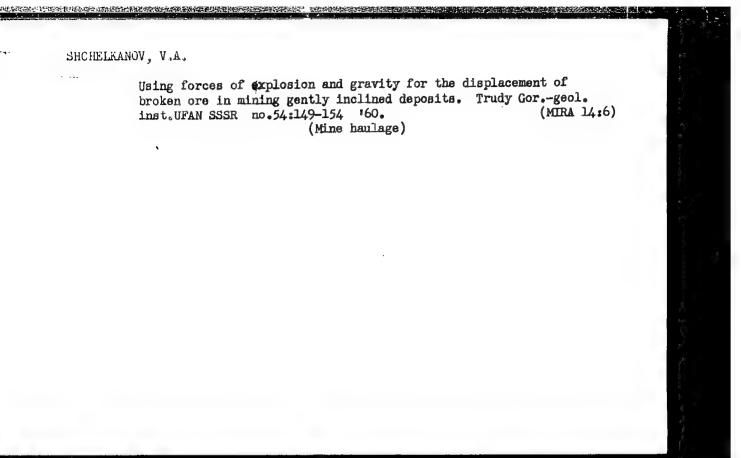
(Mining engineering)

OVCHARENKO, V.N.; SHCHELKANOV, V.A.

Improving the system of mining inclined dikes at the Berezovskiy
Mine. Trudy Gor.-geol.inst.UFAN SSSR no.54:103-110 '60.

(Mining geology)

(Berezovskiy (Sverdlovsk Province)—Gold mines and mining)

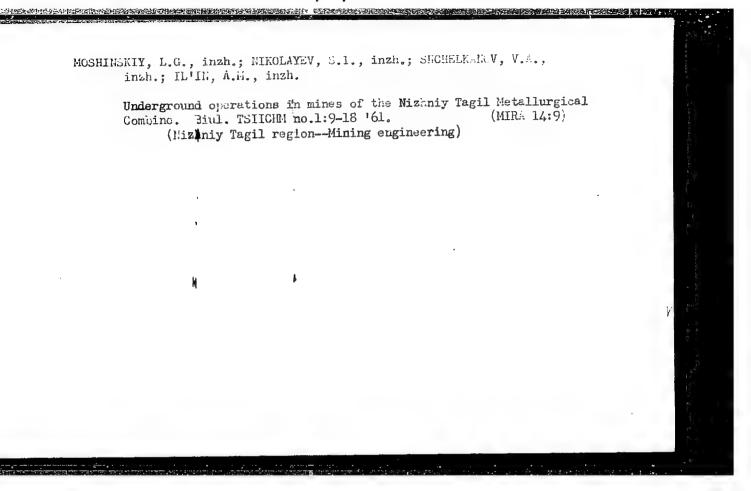


MOSHINSKIY, L.G., gornyy inzh.; SHCHELKANOV, V.A., gornyy inzh.

Increasing the efficiency of the development of inclined beds. Gor. zhur. no.10:46-48 0 '61. (MIRA 15:2)

1. Sverdlovskiy sovnarkhoz (for Moshinskiy). 2. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR (for Shchelkanov).

(Iron mines and mining)



MOSHINSKIY, Lazar Grigor'yevich; SHCHELKANOV, Vladlen Aleksandrovich; SIFYAGINA, Z.A., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Underground working of Ural iron ore deposits]Podzermaia razrabotka zhelezorudnykh mestorozhdenii Urala. Moskva, Gosgortekhizdat, 1962. 138 p. (MIRA 15:11)

(Ural Mountains—Iron mines and mining)

OVCHARENKO, V.N.; SHCHELKANOV, V.A.

Increasing the efficiency of working inclined dikes in the Berezovskiy Mine. Gor. zhur. no.1:36-39 Ja '62. (MIRA 15:7)

- 1. Glavnyy inzhener Berezovskogo rudnika (for Ovcharenko).
- 2. Ural'skiy filial AN SSSR (for Shchelkanov).
 (Berezovskiy region (East Kazakhstan Province)—Mining engineering)

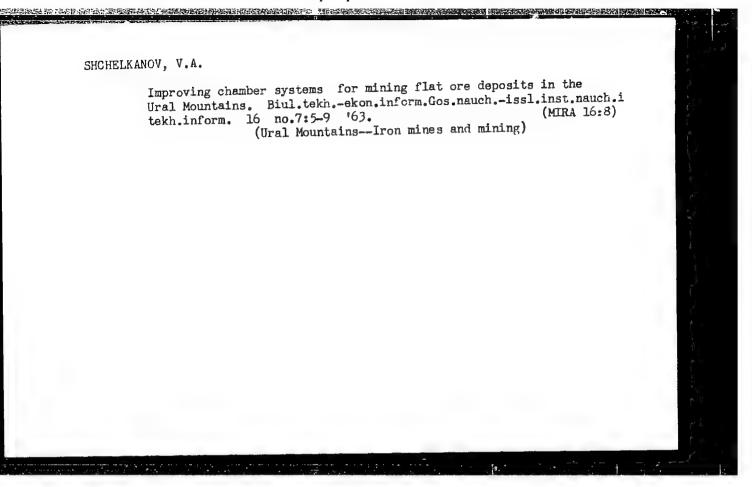
SHEMELKANOV V.A.; POZZERJONOV. A.S.

Evaluating of horing and blasting operations at the "IUzhnaia"

Nine of the Blagodat Mountain mining center. Trudy Inst.gor.

dela UFAN SSSR no.7195.98 '63.

(MIRA 17:3)



SURIN, V.V., gurnyy inch.; ORLOV, V.S., gorn, inch.; SHCHELKANOV, V.A., Kerd, tekh. nauk
Increasing the errorate efficiency of underground mining at the
"IUzhnaia" Mine. Cor. zhar. no.6:22-23 Je '64. (Mira 17:11)

1. Gottoblanodatekcye rudeupravleniye (for Surin, Orlov). 2. Institut
gornego dela Uraliskogo riliala AM SSSK (for Shchelkanov).

VERNIKOVSKIY, K.B.; LUBENETS, I.P.; ORLOW, V.S.; SHCHELKANOV, V.R.;

DENISOV, Ye.M.

Induced block caving at the Gora Blagodat' mine. Gor. zhur.

(MIRA 18:12)

1. Goroblagodatskoye zhelezorudnoye mestorozhdeniye (for
Vernikovekty, habenets, Orlow). 2. Institut gornogo dela,
Sverdlovsk (for Shchelkanov, Denisov).

ACC NR. AP6032423

SOURCE CODE: UR/0103/66/000/009/0019/0026

AUTHOR: Shchelkanovtsev, N. M. (Moscow)

ORG: none

TITLE: One problem of optimal control of a linear plant by constrained controlling

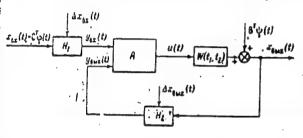
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SOURCE: Avtomatika i telemekhanika, no. 9, 1966, 19-26

TOPIC TAGS: optimal automatic control, automatic control design, automatic

control R and D

ABSTRACT: An automatic control system is considered which consists (see figure)



of a linear plant having a known weight function $W(t_1, t_2)$ and a corrector A that shapes controlling signals u(t). The corrector receives information about the input variable and the plant position via channels H_1 and H_2 . In these channels, the useful signals are mixed with an

Card 1/2

UDC: 62 - 505.5/7

SHCHELGACHEV, R.V.

Structural characteristics of a reverse starting system on Sulzer RD-type diesel engines. Inform. sbor. TSNIIMF no.1C1:
Tekh. ekspl. mor. flota no.25:51-74 '63. (MTRA 17:9)

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the rights of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name

Zhurin, V.J.
I hockin, v.i.
Shehalkanov, V.I.
Maparozhnim, P.S.
Dermero, Yu.J.
Tyranskim, J.J.
Opuntsov, A.1.
Niko ov, J.P.

Title of Work

Posular Scientific and Sechnical Series for Society, and Jorkers on Large Sydraulic Sonstructions"

Nominated by

All-Union Scientific
Ingineering and Technical
Socialy of Constructors

so: W-30604, 7 July 1954

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AID P - 356

Subject

: USSR/Engineering

Card

: 1/1

Author

Shchelkanovtsev, M. S., Engineer

Title

Trestle for assembly of sectional reinforced concrete

girders

Periodical

: Sbor. mat. o nov. tekh. stroi., #4, 17, 1954

Abstract

A trestle made of gas pipes to which a hoist is attached for lifting and depositing in proper place of construction prefabricated heavy reinforced concrete girders (up to 1.5 tons of weight) is presented. The details are

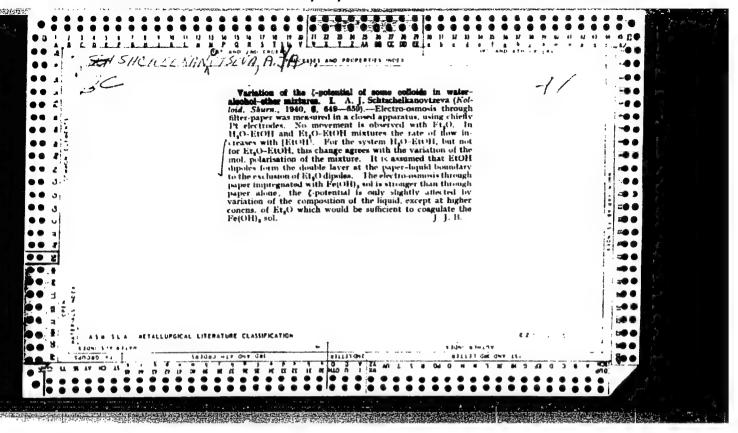
shown on a graph.

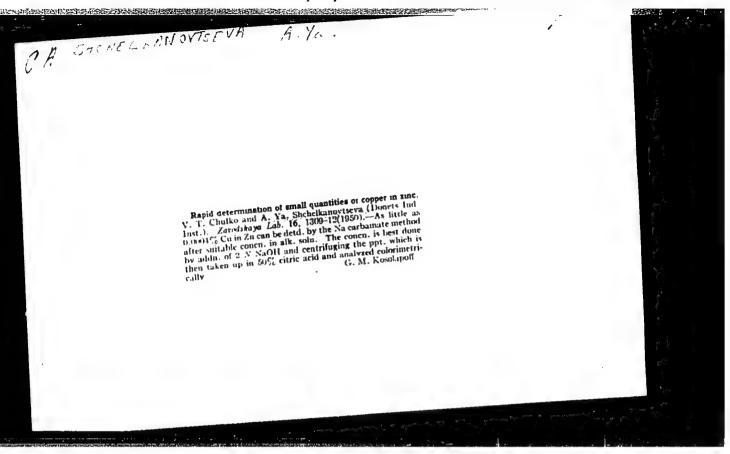
Institution:

None

Presented

No date





137-58-6-13900

Translation from: Referativnyy zhurnal, Metallurgiva, 1958, Nr 6, p 384 (USSR)

AUTHORS: Babenyshev, V.M., Shchelkanovtseva, A.Ya., Kuznetsova, O.M.

TITLE: Amperometric Titration of Bismuth with Potassium Ferri-

cyanide (Amperometricheskoye titrovaniye vismuta ferritsiani-

dom kaliya)

PERIODICAL: Sb. nauchn. tr. Kuybyshevsk. industr. in-ta, 1957, Nr 7,

pp 37-43

ABSTRACT: Amperometric titration of bismuth by means of its precipi-

tation as Bi $[Fe(CN)_6]$ with a solution of K_3 $[Fe(CN)_6]$ in a weakly nitric-acid medium has been studied. Near the point of equivalence a rounding off of the titration curve is noticed, which indicates a certain solubility of the precipitate. The titration is carried out at 0.9 v wherein diffusion current is produced by Bi³⁺ ions as well as $[Fe(Cn)_6]^{3-}$ ions. To obtain more precise results, the current intensity (i) is calculated

according to the formula $i = i_{observed}(v+v_1)/v$, where v is the volume of the solution being titrated and v_1 is the amount of the

Card 1/2 solution of K3 [Fe(Cn)6] added. The Bi precipitate is easily

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Amperometric Titration of Bismuth with Potassium Ferricyanide

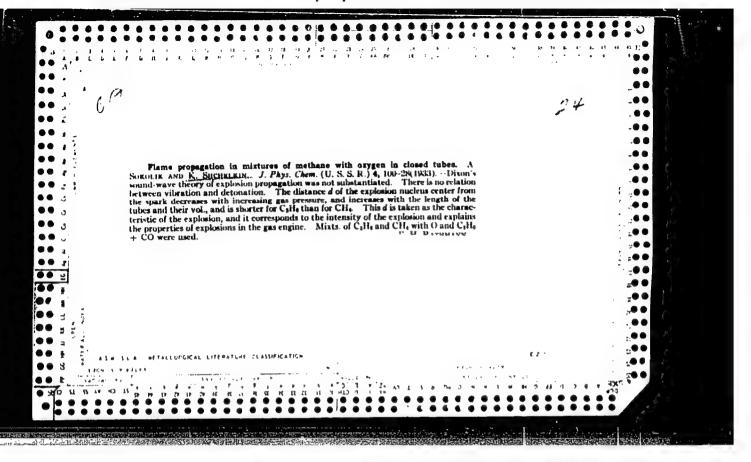
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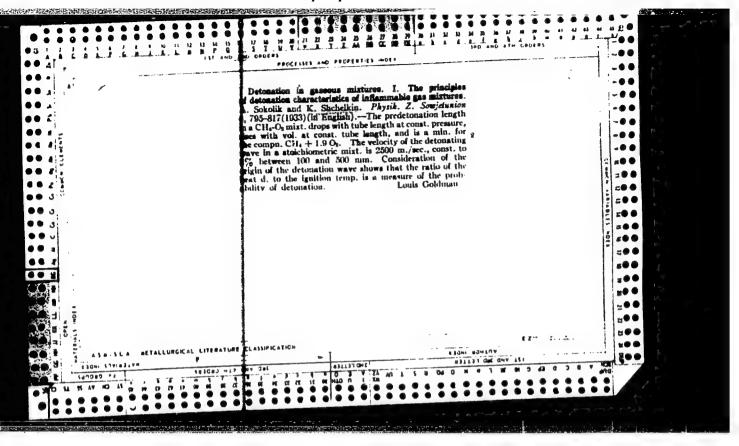
soluble in the presence of Cl $^-$ ions and tartrates which should be absent during titration. The precision of the titration of 0.01-0.003 M of Bi solution is $\pm 1\%$.

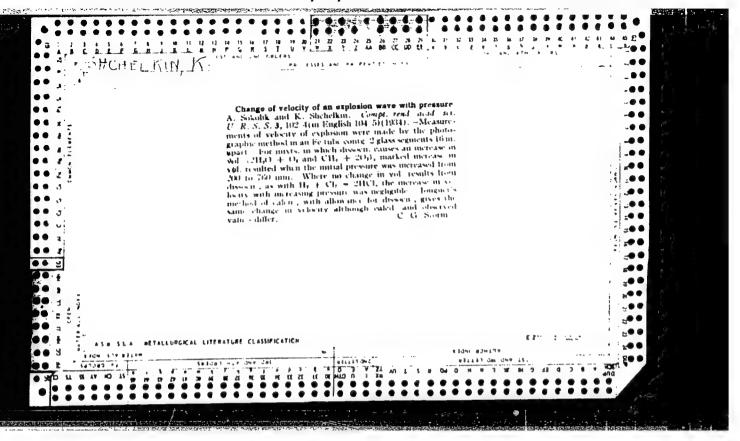
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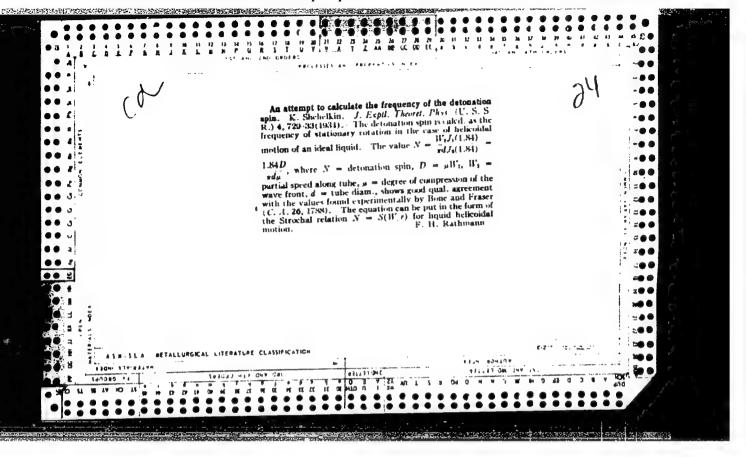
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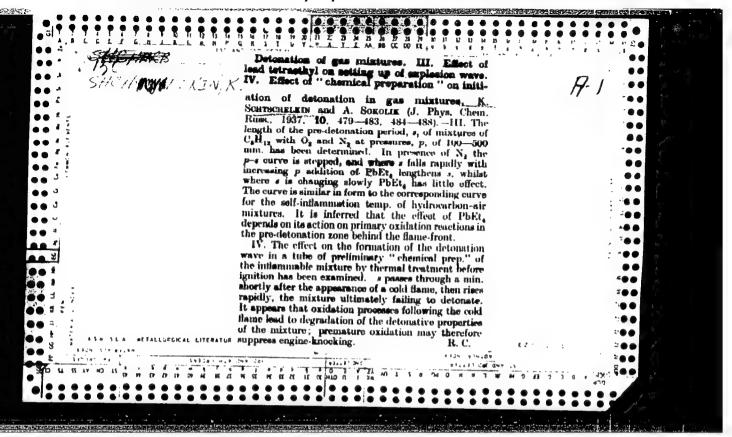
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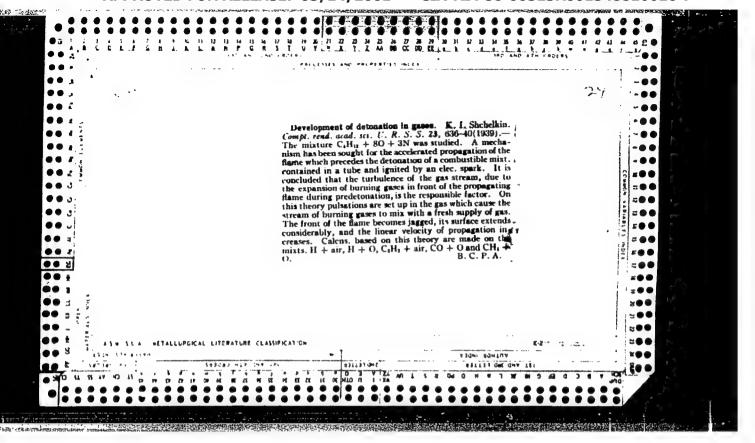


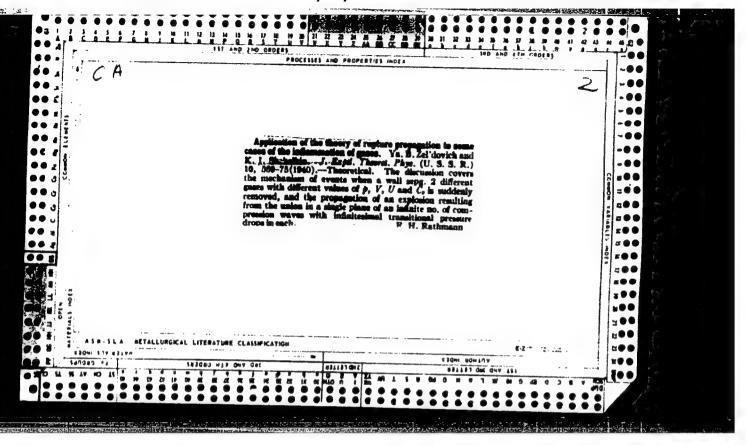


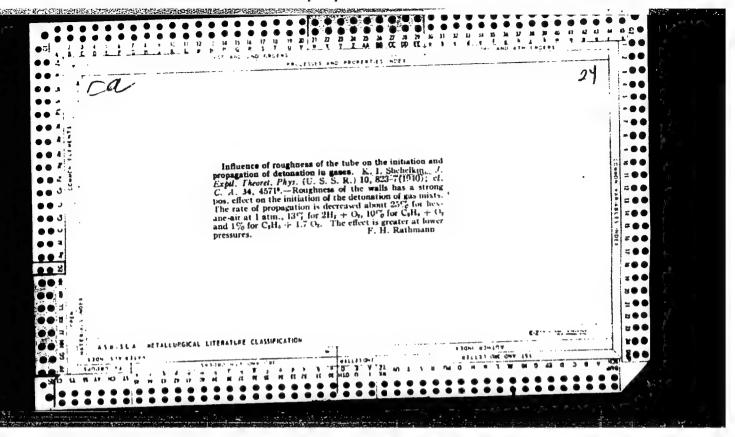


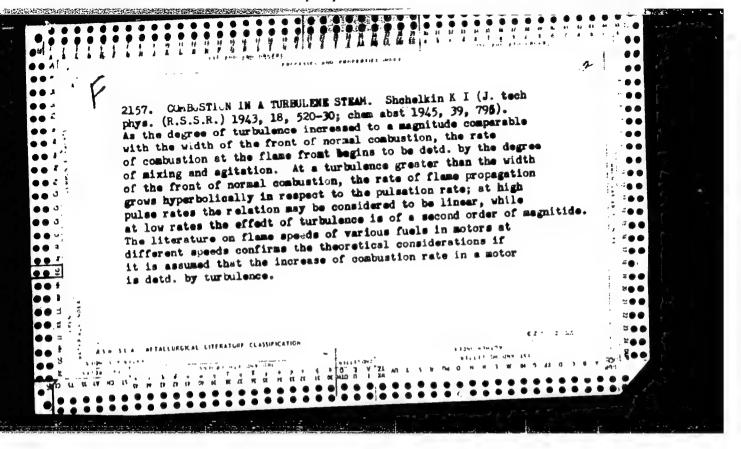


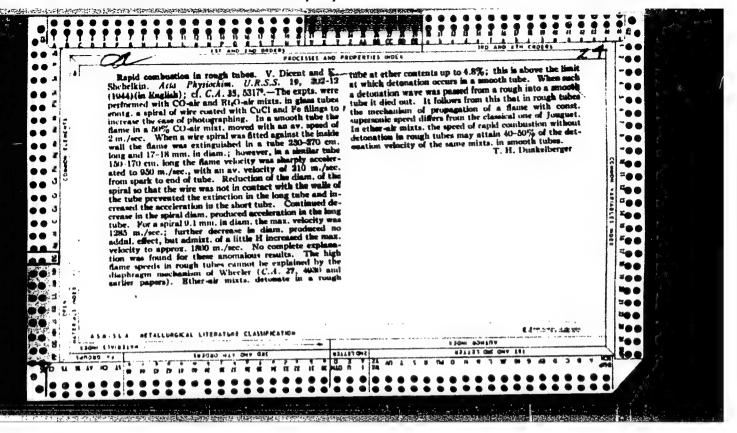


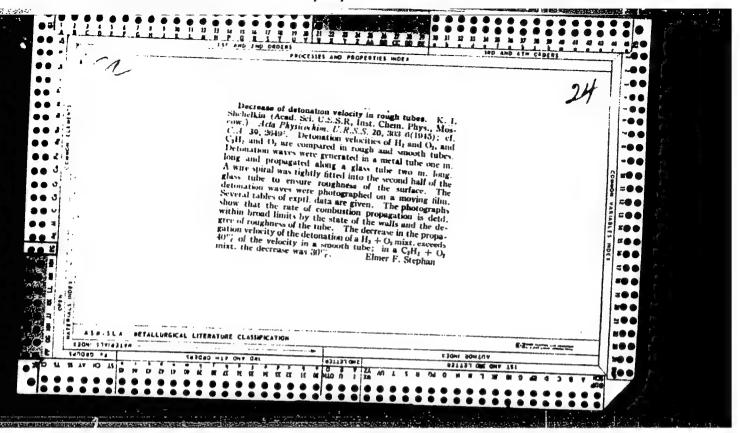


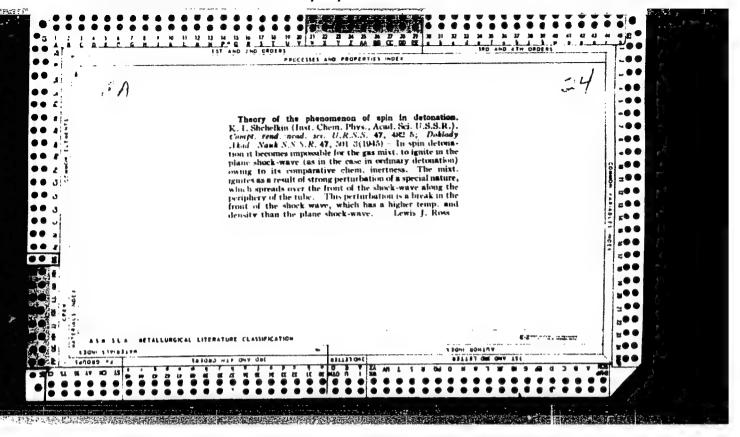


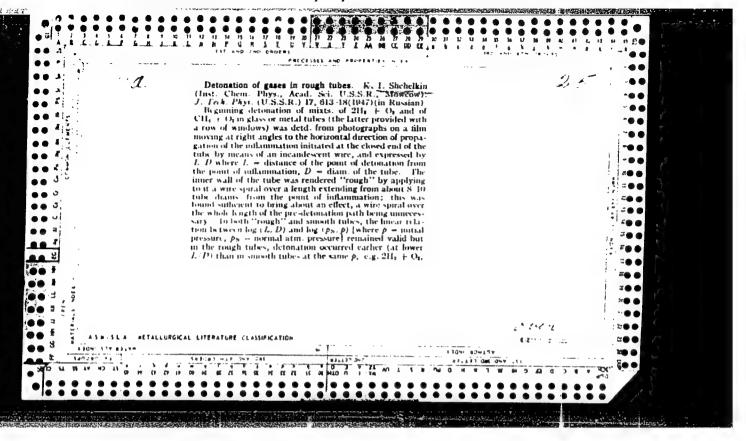


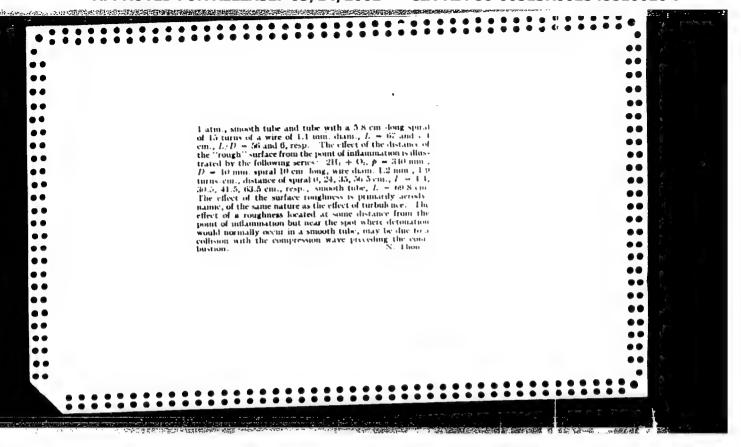


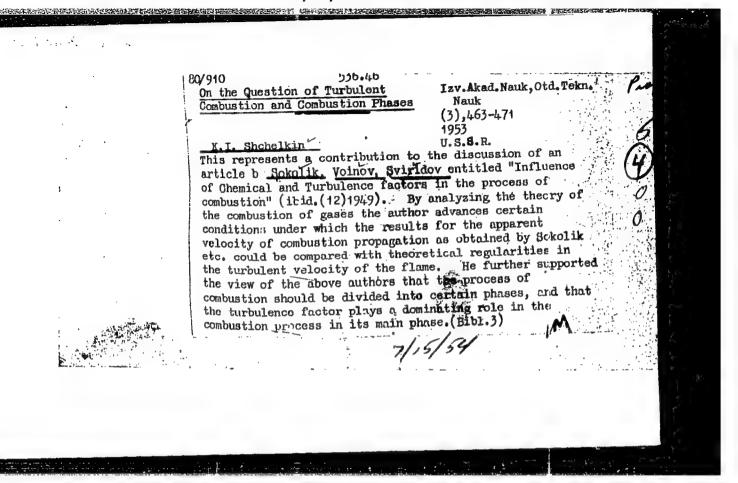


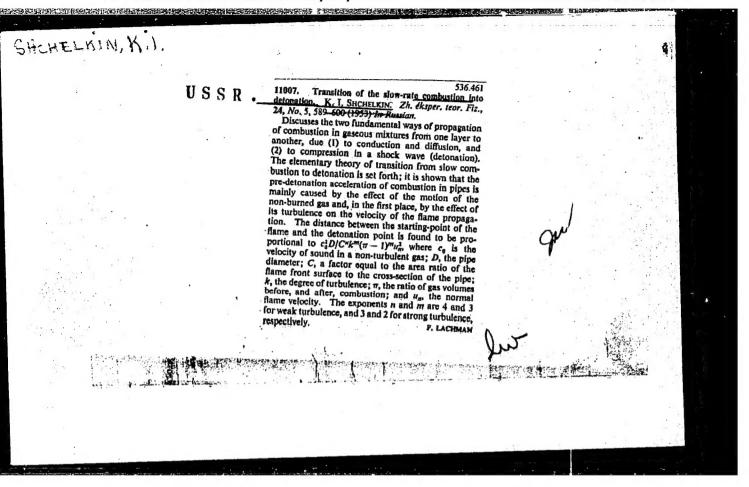












.9 Ententible 184 Parts FD-3028 USSR/Physics - Comtustion Pub. 11 - 12/15 Car 1/1 : Troshin, Ya. K. and Shchelkin, K. I., Moscow Author The same of the sa : Structure of the front of a spherical flame and the instability of Title normal combustion Periodical: Izv. AN SSSR, Otd. Tekh. Nauk 9, 160-166, Sep 55 : Pescribes structure of the frontal area of a spherical flame and lists conditions under which instability in the flat front of a Abstract normal flame occurs. Reviews previous work in this field. Presents experimental methodology. Extensive use made of cameras in the study of flame structure. Photographs, graphs. Four references, all USSR.

Institution:

Submitted: May 21, 1955

SHI HELKIN, KI USSR/Physics - Detonation FD-2875

Card 1/1

Pub. 146 - 12/26

Author

: Shchelkin, K. I.

Title

: Phenomena close to the place of occurrence of detonation in a gas

Periodical

2 33)
: Zhur. eksp. i teor. fiz., 29, August 1955, 221-226

Abstract

; The author considers the phenomena that take place close to where detonation occurs. In particular he shows that detonation in a gas, in agreement with his earlier developed theory (16id., 24, 589, 1953; DAN SSSR, 34, 747, 1949), can occur not only at a certain distance ahead of the front of slow burning but also immediately next to it. Four references: e.g. Ya. B. Zel'dovich and K. I. Shehelkin, ZhETF, 10, 569, 1940; Kh. A. Rakipova, Ya. K. Troshin, and K. I.

Shcheklin, Zhur. tekhn. fiz., 17, 1397, 1947.

Institution

: Institute of Chemical Physics, Academy of Sciences USSR

Submitted

: May 10, 1954

SOV/24-59-2-22/30

AUTHOR: Shchelkin, K. I. (Moscow)

production as the companies of the contraction of t

TITLE: Remarks on the Measurement of Propagation Velocity in Turbulent Combustion (Zamechaniya ob izmerenii skorosti rasprostraneniya turbulentnogo goreniya)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 2, pp 137-138 (USSR)

ABSTRACT: In the investigation of Bolz and Burlage (Ref 1), unexpectedly low values were obtained for the propagation
velocity of turbulent combustion. It is suggested that in
working out their results, Bolz and Burlage introduced a
systematic error by neglecting the width of the combustion
zone. A semi-empirical correction is derived to allow for
this width, and the resulting corrected values are larger
and more reasonable in magnitude. There are 2 English references.

SUBMITTED: January 14, 1959.

Card 1/1